

54-F-212C

DORCHESTER NORTH #1



"Franki Piles carry more tons per Pile"

54 F-212C
CABLEGRAMS:
"FRANKIPILE"

FRANKI COMPRESSED PILE COMPANY OF CANADA LIMITED

1835 YONGE STREET



TELEPHONE:
HUDSON 8-9009

TORONTO 7, ONT.

Our Reference:

FE 321
October 7th, 1954.

SOIL INVESTIGATION REPORT for DEPARTMENT OF HIGHWAYS OF ONTARIO (H. E. Dillon, Consulting Engineers) at DORCHESTER BRIDGE #1

As requested we carried out a soil investigation at the proposed bridge site, Dorchester North #1.

REPORT OF INVESTIGATION

Six percussion tests were made at the locations shown on the location sketch. The results are shown on the accompanying diagrams and are summarized as follows.

SUMMARY

E L E V A T I O N S

Hole No.	Ground Surface	Water Level	2,000 lbs per sq.ft.	4,000 lbs per sq.ft.	6,000 lbs per sq.ft.	Refusal
1	973	Dry	971	970	969	953
2	973	960	970	967	964	959
3	973	Dry	970	968	967	959
4	972	Dry	969	967	965	957
5	972	Dry	969	967	965	954
6	972	Dry	969	966	965	956

Two Auger Borings were made at holes #1 and #6 with the following results.

LOG OF AUGER BORINGS

Hole #1

Ground Surface Elevation: 973

0' - 2'

Brown Sandy Clay Topsoil

2' - 6'

Brown sandy clay

6' - 11'

Grey silty clay, firm

11' - 15'

Grey silty clay, firm

Hole #1 cont'd.

15' - 17' Grey silty clay with stones, firm

Holes #6

Ground Surface Elevation: 972

0' - 2'	Brown sandy clay topsoil
2' - 6'	Brown sandy clay
6' - 9'	Brown sandy clay with stones
9' - 14'	Brown clayey gravel
14' - 17'	Grey silty clay, firm

CONCLUSION

Footings could be safely designed for the elevations and bearing capacities shown in the Percussion Test Summary.

WHT Wilson
W. H. T. Wilson, P. Eng.

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PERCUSSION TEST DIAGRAM

FOR: DEPARTMENT OF HIGHWAYS OF ONTARIO

AT: DORCHESTER NORTH #1

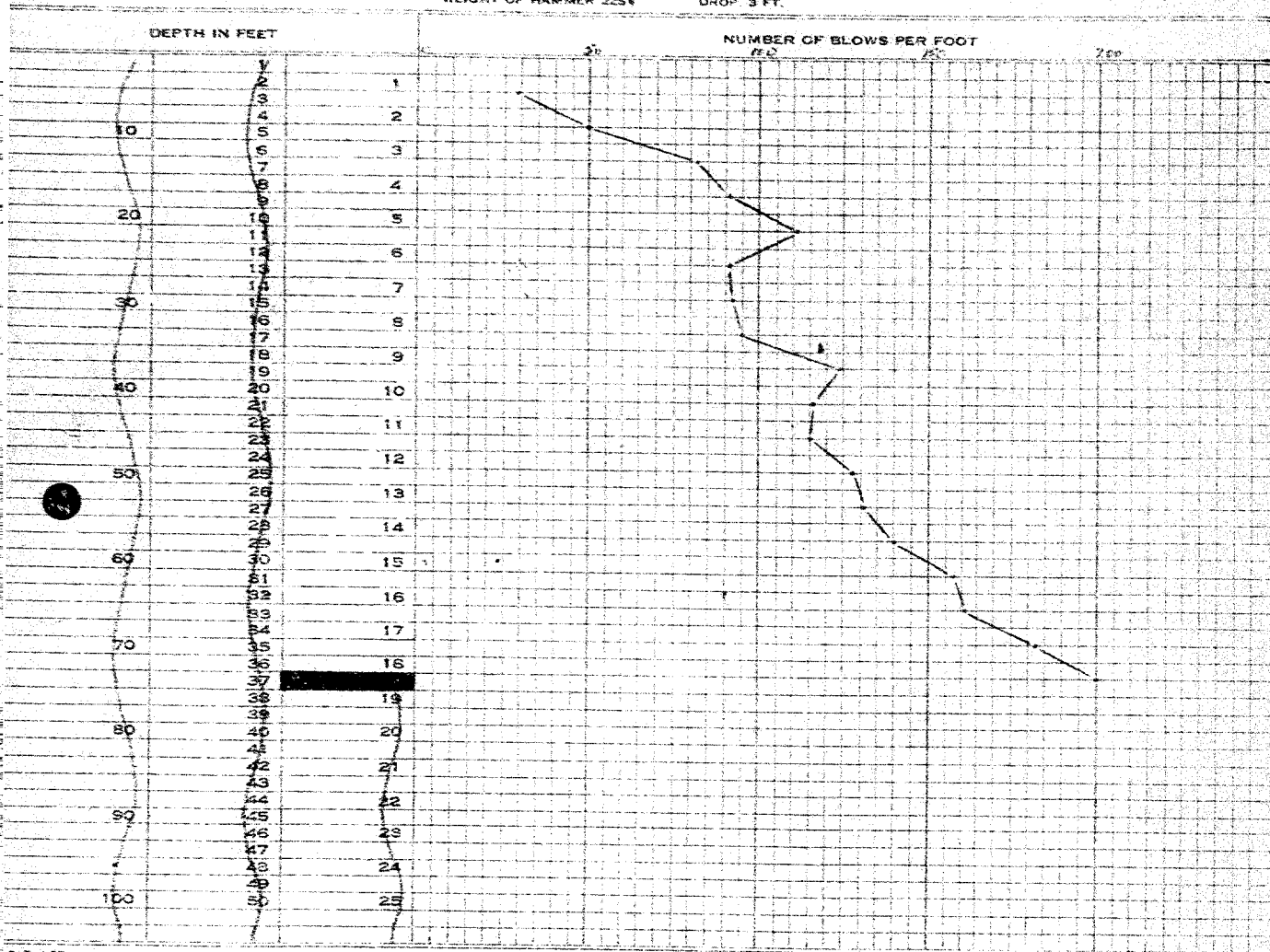
DATE: SEPTEMBER 28, 1954.

JOB NO. PC 99.321

TEST NO.: 1

WEIGHT OF HAMMER 2254

DROP 3 FT.



Ground Surface Elevation 973
 Refusal Elevation 955
 Number of Blows 200 for 10"

SIGNED

W. H. P.

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PERCUSSION TEST DIAGRAM

FOR: DEPARTMENT OF HIGHWAYS OF ONTARIO

AT: DORCHESTER NORTH #1

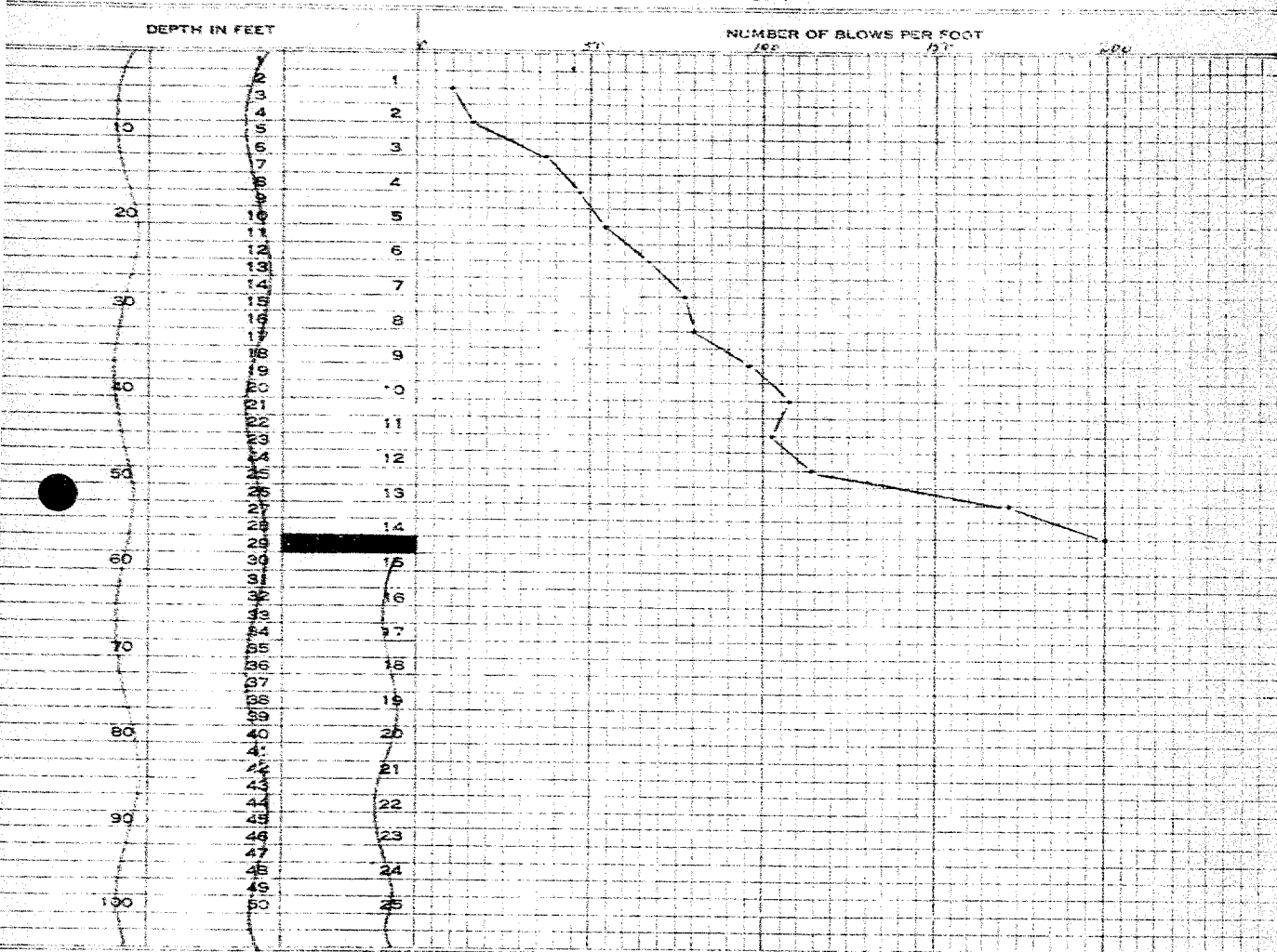
JOB NO. PC 312.32

DATE: SEPTEMBER 30, 1954.

TEST NO.: 2

WEIGHT OF HAMMER 2254

DROP 3 FT.



Ground Surface Elevation 973
Refusal Elevation 959
Number of Blows 200

SIGNED

Waldy Kolough

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PERCUSSION TEST DIAGRAM

FOR: DEPARTMENT OF HIGHWAYS OF ONTARIO

AT: DORCHESTER NORTH #1

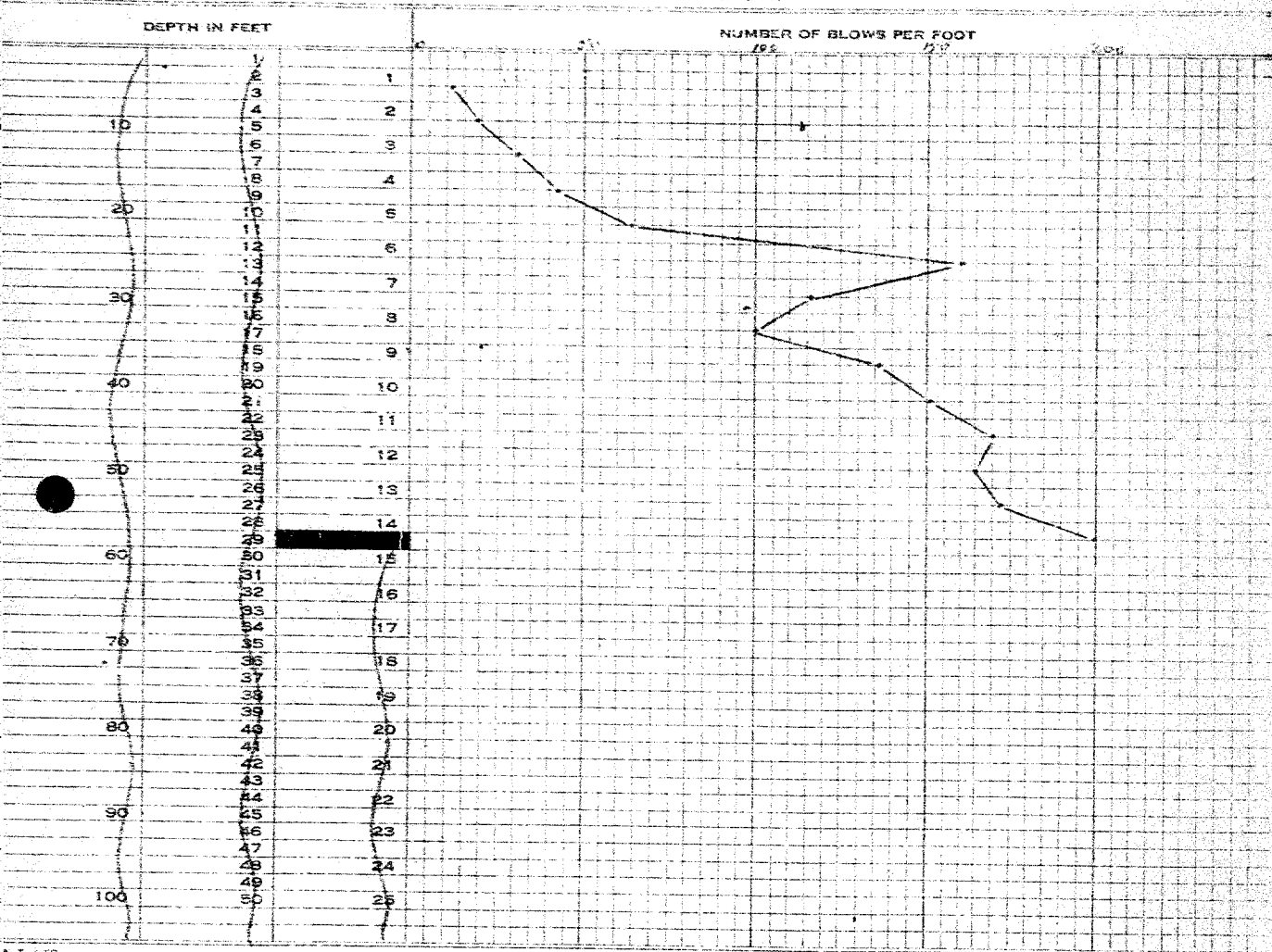
JOB NO. PC 242 521

DATE: SEPTEMBER 30, 1954.

TEST NO.: 3

WEIGHT OF HAMMER 225 lb

DROP 2 FT.



Ground Surface Elevation 97.
 Refusal Elevation 959
 Number of Blows 200

SIGNED

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PERCUSSION TEST DIAGRAM

FOR: DEPARTMENT OF HIGHWAYS OF ONTARIO

AT: DORCHESTER NORTH #1

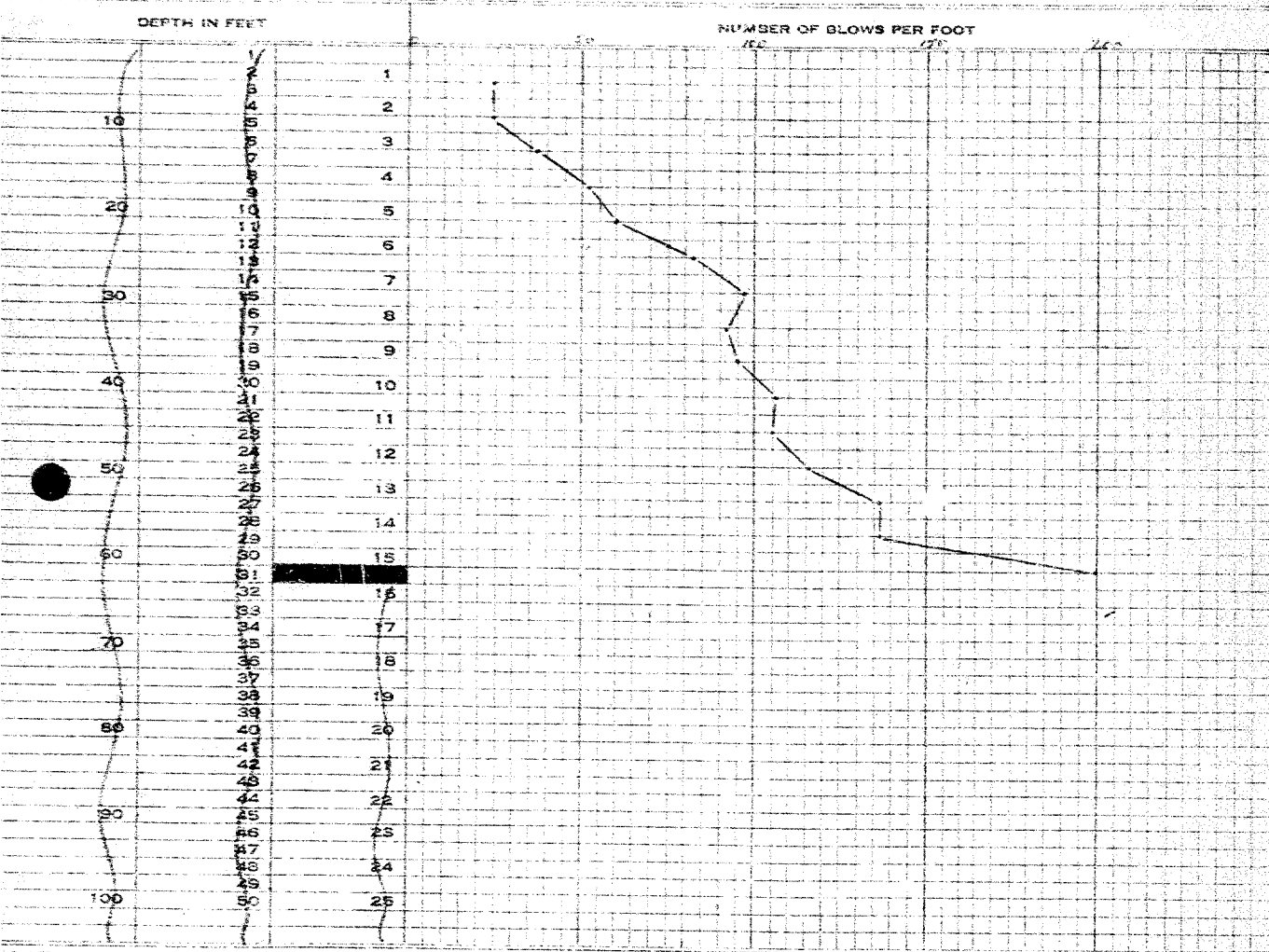
DATE: SEPTEMBER 29, 1954.

TEST NO.: 4

JOB NO. IC 3321

WEIGHT OF HAMMER 2250

DROP 3 FT.



Ground Surface Elevation 772
 Refusal Elevation 957
 Number of Blows 200 for 10"

SIGNED

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PERCUSSION TEST DIAGRAM

FOR: DEPARTMENT OF HIGHWAYS OF ONTARIO

AT: DORCHESTER NORTH #1

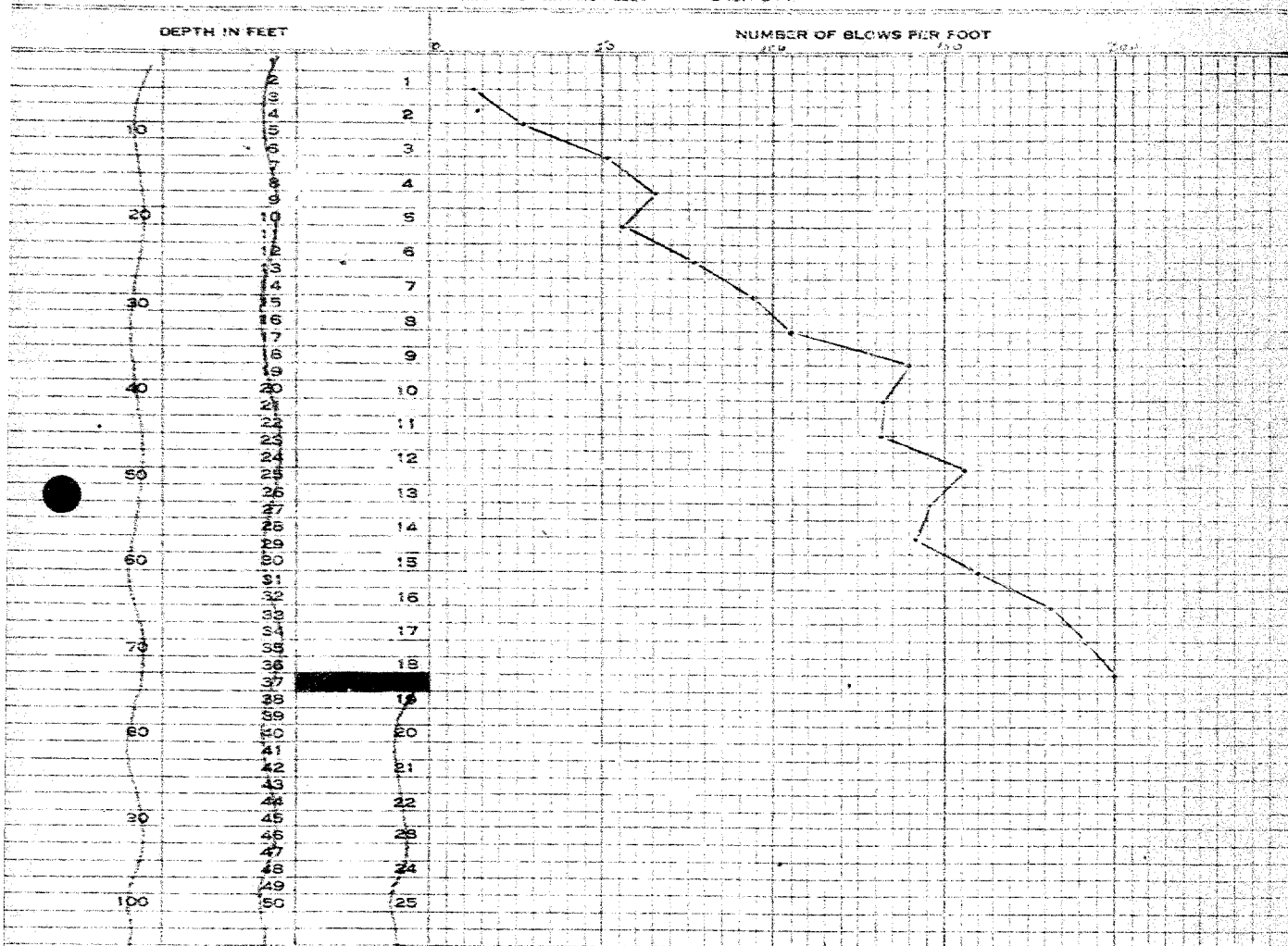
JOB NO. EC 322 52/

DATE: SEPTEMBER 29, 1954.

TEST NO.: 5

WEIGHT OF HAMMER 225#

DROP 3 FT



Ground Surface Elevation 972
 Refusal Elevation 954
 Number of Blows 200 per 9"

SIGNED

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PERCUSSION TEST DIAGRAM

FOR: DEPARTMENT OF HIGHWAYS OF ONTARIO

AT: DORCHESTER NORTH #1

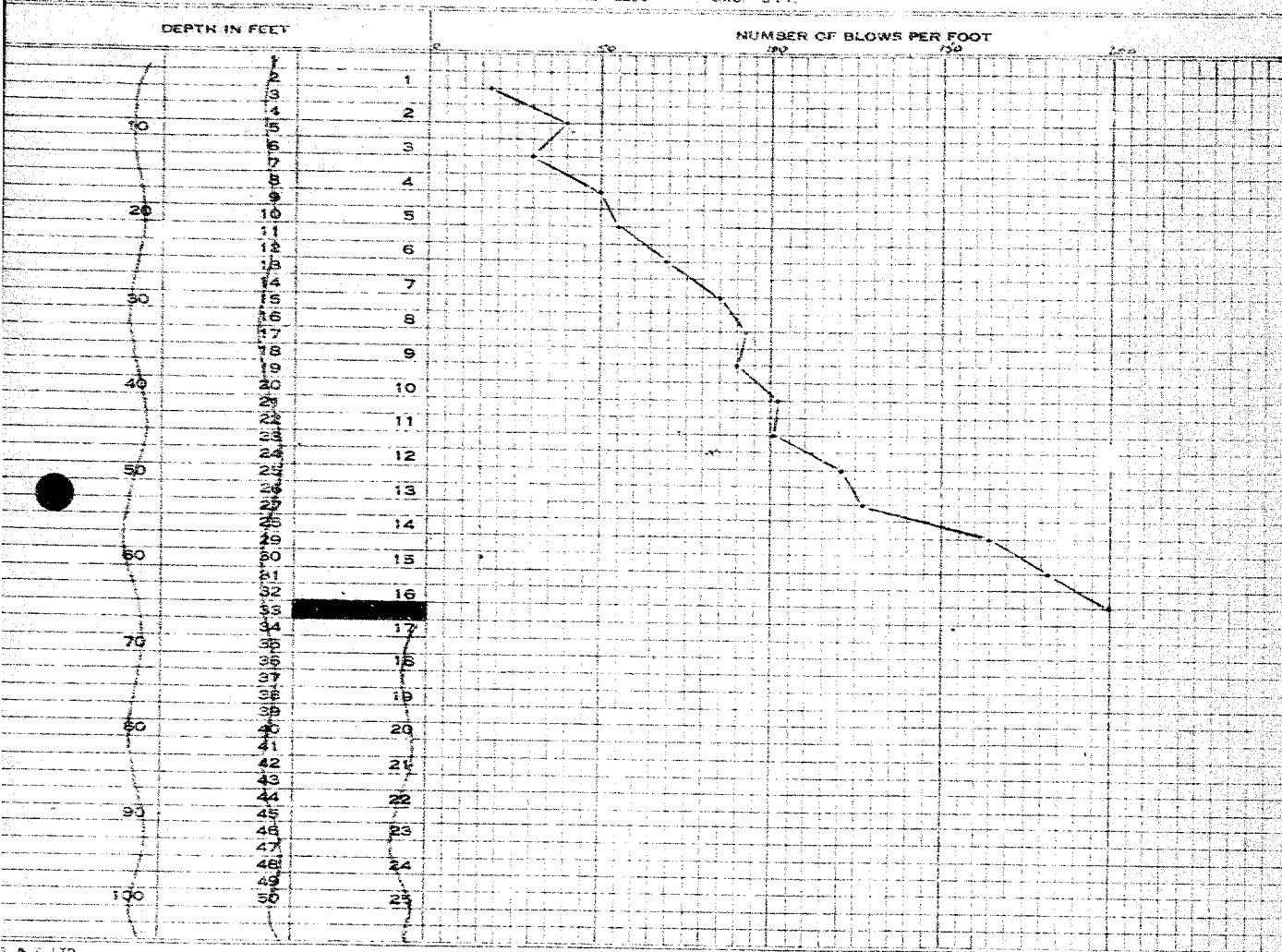
JOB NO. FC 321

DATE: OCTOBER 1, 1954.

TEST NO.: 6

WEIGHT OF HAMMER 2250

DROP 3 FT.

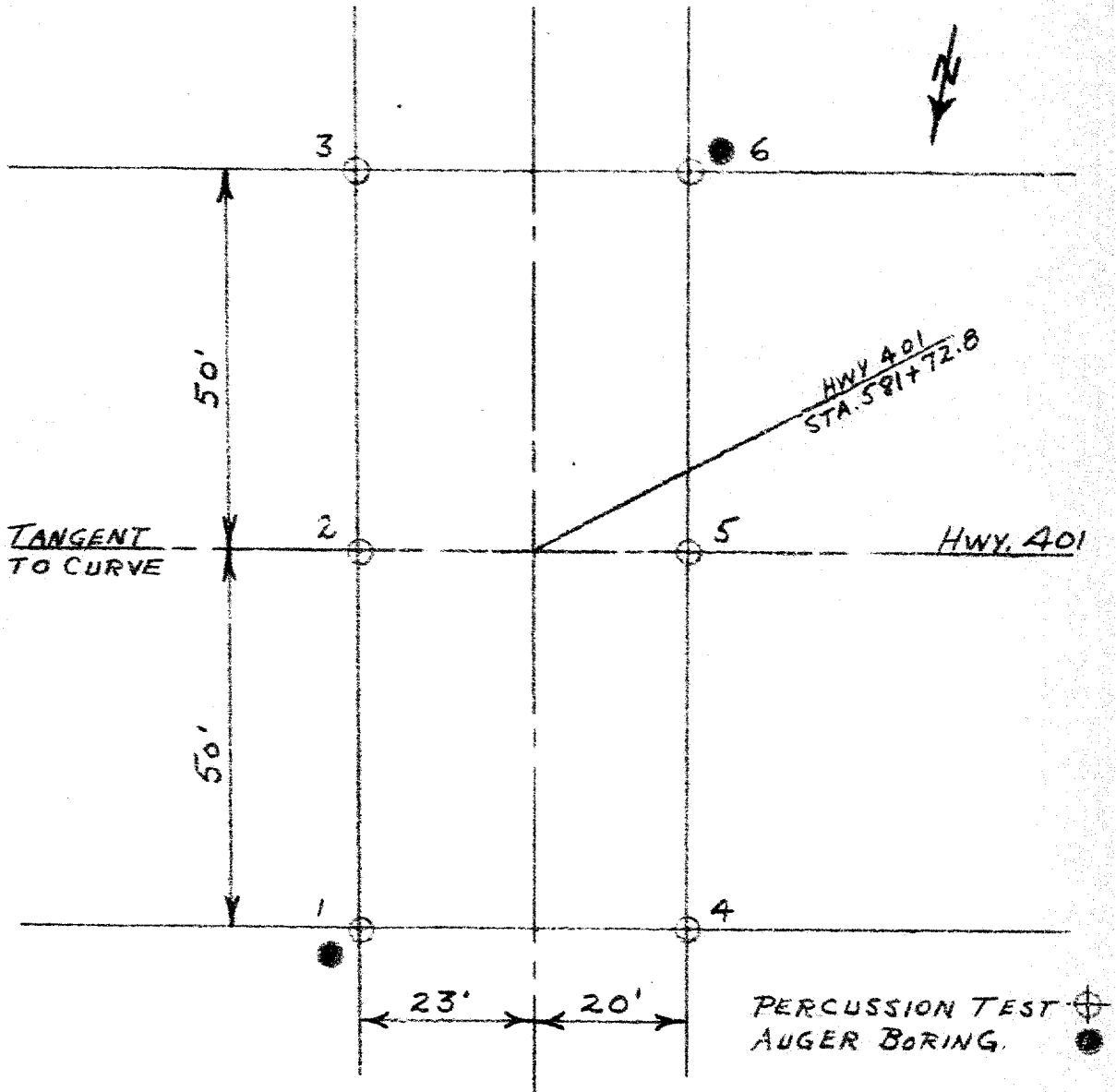


L. & C. LTD.

Ground Surface Elevation 972
 Refusal Elevation 956
 Number of Blows 200

SIGNED

LOCATION SKETCH



FRANKI COMPRESSED PILE COMPANY OF CANADA LIMITED
for
DEPARTMENT OF HIGHWAYS OF ONTARIO
at
DORCHESTER NORTH #1.

IC 32/
October 5th, 1954.